

FIG. 1

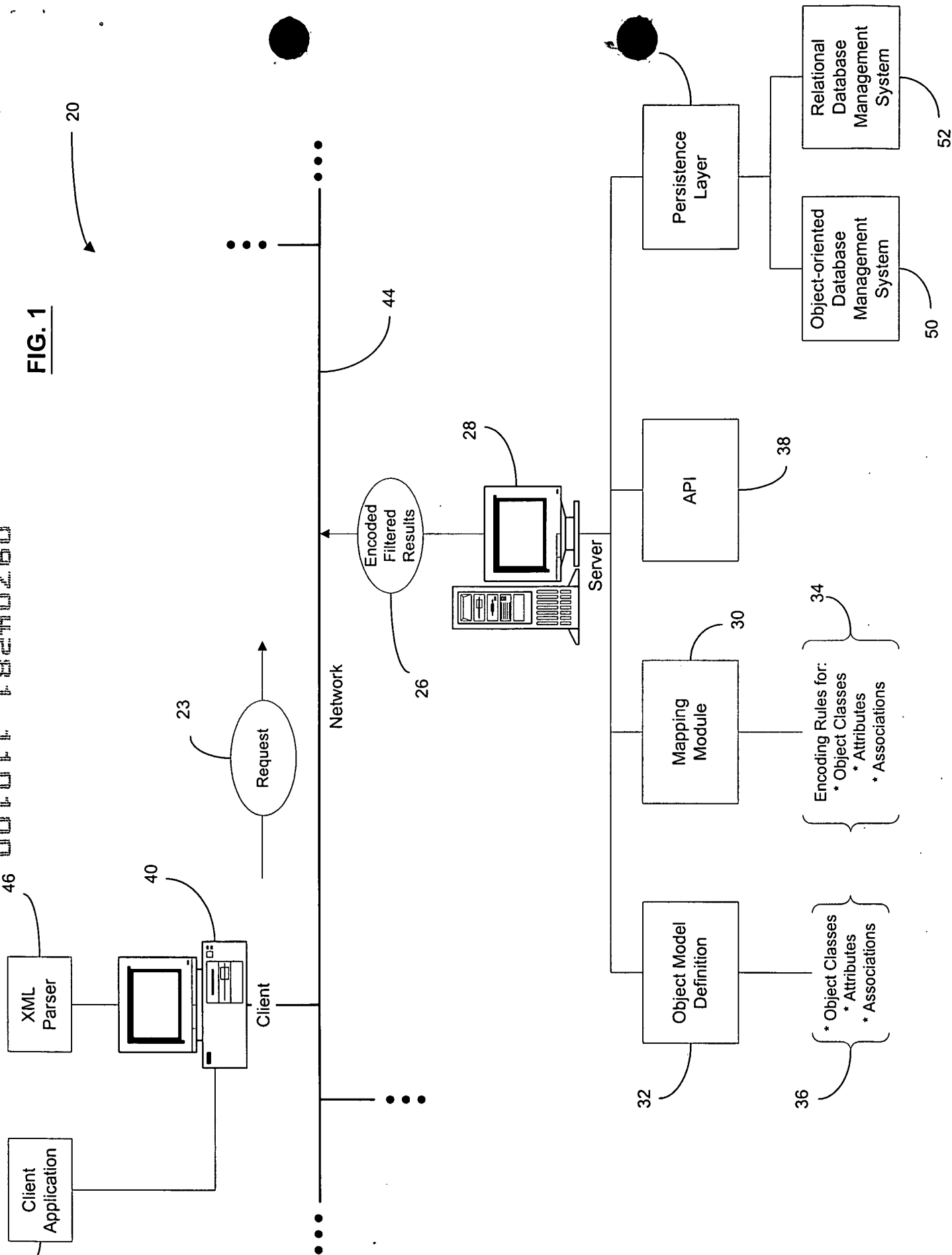


FIG. 2

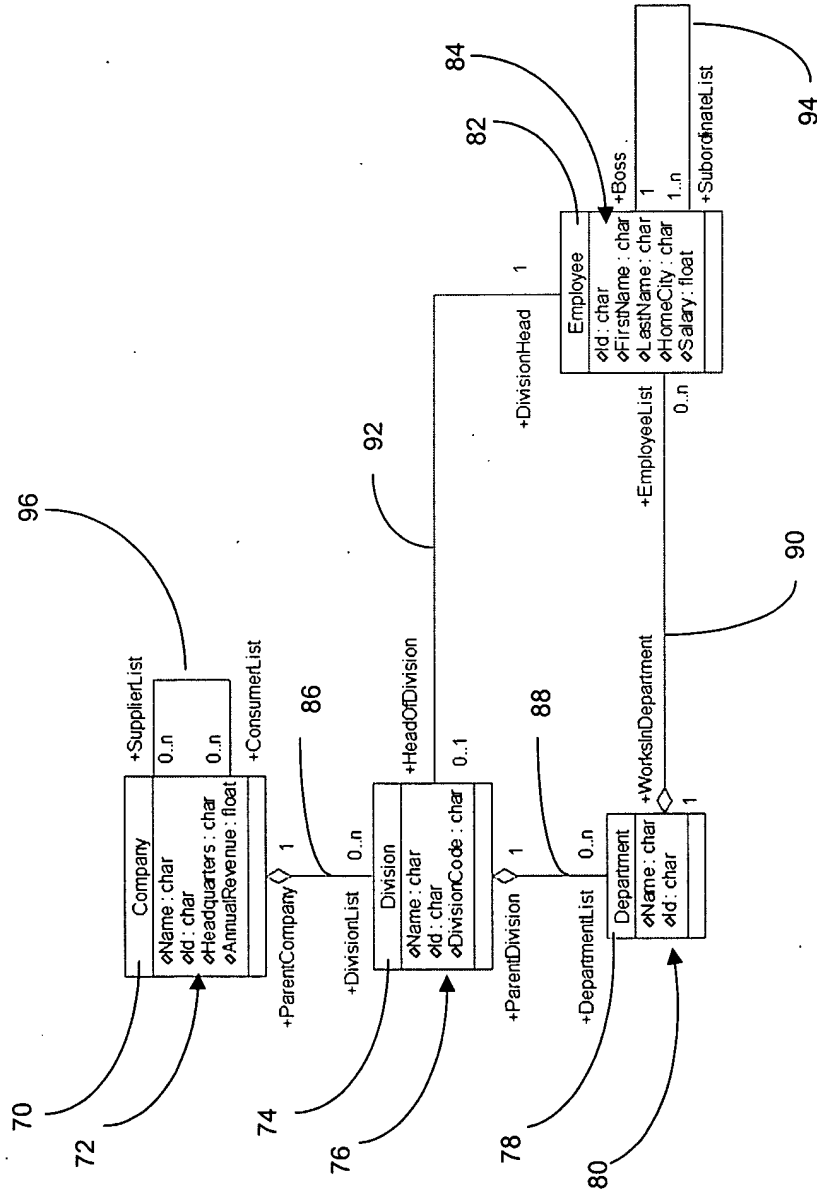


FIG. 3

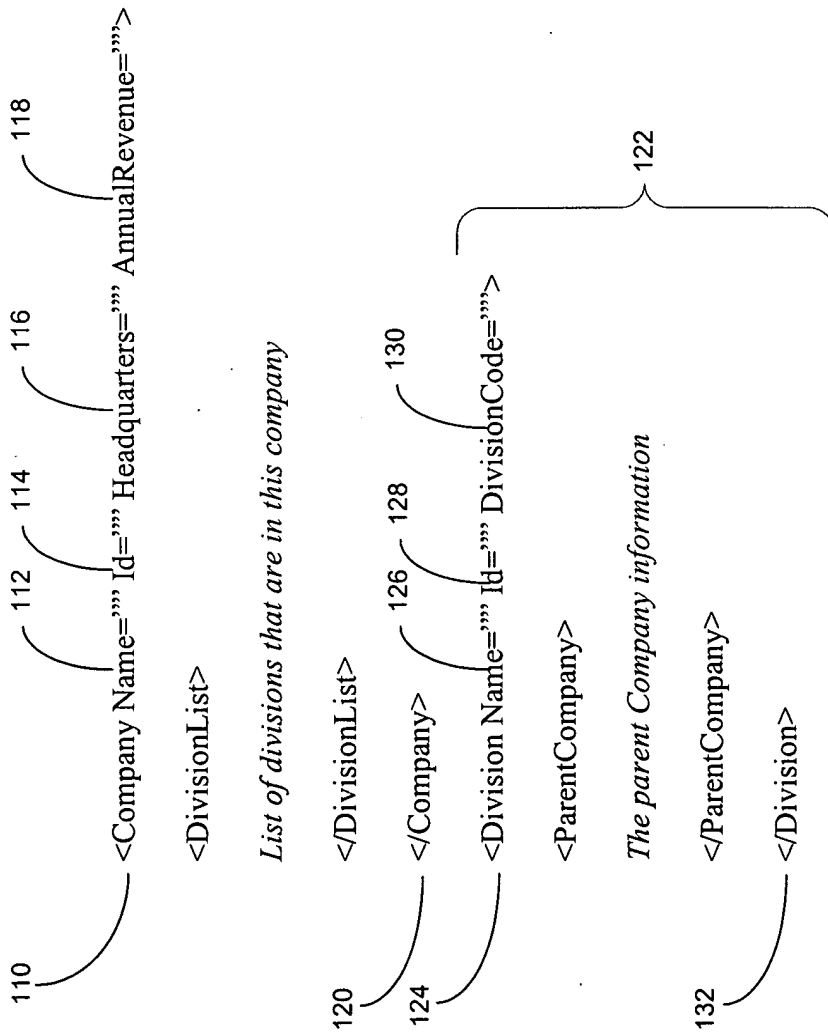


FIG. 4A

110 <Company Id="Company1" Name="Acme" AnnualRevenue="1,000,000"
 Headquarters="Raleigh,NC">
 114 <DivisionList>
 112 <Division Id="Div1" Name="Development">
 118 <DepartmentList>
 180 <Department Id="Dept1" Name="Widgets">
 180 <EmployeeList>
 190 <Employee Id="Emp1" FirstName="Craig" LastName="Smith" HomeCity="Cary"
 Salary="10,000">
 190 <Boss>
 <Employee Idref="#Emp3"/>
 </Boss>
 192 </Employee>
 <Employee Id="Emp2" FirstName="John" LastName="Doe" HomeCity="Durham"
 Salary="5,000">
 <Boss>
 <Employee Idref="#Emp3"/>
 </Boss>
 </Employee>
 194 <Employee Id="Emp3" FirstName="Fred" LastName="Jones" HomeCity="Apex"
 Salary="20,000">
 </Employee>
 </EmployeeList>
 <DepartmentHead>
 <Employee Idref="#Emp1"/>
 </DepartmentHead>
 </Department>
 196 <Department Id="Dept2" Name="Widgets">
 <EmployeeList>
 <Employee Id="Emp4" FirstName="Craig" LastName="Doe" HomeCity="Cary"
 Salary="3,000">
 <Boss>
 <Employee Idref="#Emp6"/>
 </Boss>
 198 </Employee>
 <Employee Id="Emp5" FirstName="John" LastName="Smith"
 HomeCity="Durham" Salary="15,000">
 <Boss>
 <Employee Idref="#Emp6"/>
 </Boss>
 </Employee>

(CONTINUED ON FIG. 4B)

FIG. 4B

200

```
<Employee Id="Emp6" FirstName="Fred" LastName="Adams"
HomeCity="Apex" Salary="26,000">
</Employee>
```

```
</EmployeeList>
```

```
<DepartmentHead>
```

```
<Employee Idref="#Emp6"/>
```

```
</DepartmentHead>
```

```
</Department>
```

```
</DepartmentList>
```

```
</Division>
```

```
</DivisionList>
```

```
<SupplierList>
```

```
<Company Idref="#Company2"/>
```

```
</SupplierList>
```

```
<ConsumerList>
```

```
<Company Idref="#Company3"/>
```

```
</ConsumerList>
```

```
</Company>
```

```
<Company Id="Company2" Name="BigCompany" AnnualRevenue="1,000,000,000"
Headquarters="Philadelphia, PA">
```

```
<DivisionList>
```

```
<Division Id="BCDev" Name="Development">
```

```
<DepartmentList>
```

```
<Department Id="BCDept1" Name="Objects">
```

```
<EmployeeList>
```

```
<Employee Id="BCEmp1" FirstName="Craig" LastName="Jones"
```

```
HomeCity="Paoli" Salary="15,000">
```

```
<Boss>
```

```
<Employee Idref="#BCEmp3"/>
```

```
</Boss>
```

```
</Employee>
```

```
<Employee Id="BCEmp2" FirstName="John" LastName="Smith"
```

```
HomeCity="Cherry Hill" Salary="20,000">
```

```
<Boss>
```

```
<Employee Idref="#BCEmp3"/>
```

```
</Boss>
```

```
</Employee>
```

(CONTINUED ON FIG. 4C)

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FIG. 4C

```
<Employee Id="BCEmp3" FirstName="Fred" LastName="Doe"
HomeCity="Reading" Salary="25,000">
  </Employee>
</EmployeeList>
<DepartmentHead>
  <Employee Idref="#BCEmp3"/>
</DepartmentHead>
</Department>
<Department Id="BCDept2" Name="Relational">
  <EmployeeList>
    <Employee Id="BCEmp4" FirstName="Jill" LastName="Smith"
HomeCity="Pottstown" Salary="30,000">
      <Boss>
        <Employee Idref="#Emp6"/>
      </Boss>
    </Employee>
    <Employee Id="BCEmp5" FirstName="Donna" LastName="Wild"
HomeCity="Newark" Salary="15,000">
      <Boss>
        <Employee Idref="#BCEmp6"/>
      </Boss>
    </Employee>
    <Employee Id="BCEmp6" FirstName="Jane" LastName="Francis"
HomeCity="Dover" Salary="36,000">
      </Employee>
  </EmployeeList>
</DepartmentHead>
  <Employee Idref="#BCEmp6"/>
</DepartmentHead>
</Department>
</DepartmentList>
</Division>
</DivisionList>
<ConsumerList>
<Company Idref="#Company1"/>
</ConsumerList>
<SupplierList>
<Company Idref="#Company3"/>
</SupplierList>
</Company>
```

(CONTINUED ON FIG. 4D)

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FIG. 4D

```
<Company Id="Company3" Name="SmallCompany" AnnualRevenue="100,000"
Headquarters="Cleveland, OH">
  <DivisionList>
    <Division Id="SCDiv1" Name="Development">
      <DepartmentList>
        <Department Id="SCDept1" Name="RD">
          <EmployeeList>
            <Employee Id="SCEmp1" FirstName="Bob" LastName="Jones"
HomeCity="Canton" Salary="15,000">
              <Boss>
                <Employee Idref="#SCEmp2"/>
              </Boss>
            </Employee>
            <Employee Id="SCEmp2" FirstName="John" LastName="Williams"
HomeCity="Akron" Salary="20,000">
              </Employee>
            </EmployeeList>
            <DepartmentHead>
              <Employee Idref="#SCEmp2"/>
            </DepartmentHead>
          </Department>
        </DepartmentList>
      </Division>
    </DivisionList>
  <SupplierList>
    <Company Idref="#Company1"/>
  </SupplierList>
  <ConsumerList>
    <Company Idref="#Company2"/>
  </ConsumerList>
</Company>
```

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FIG. 5

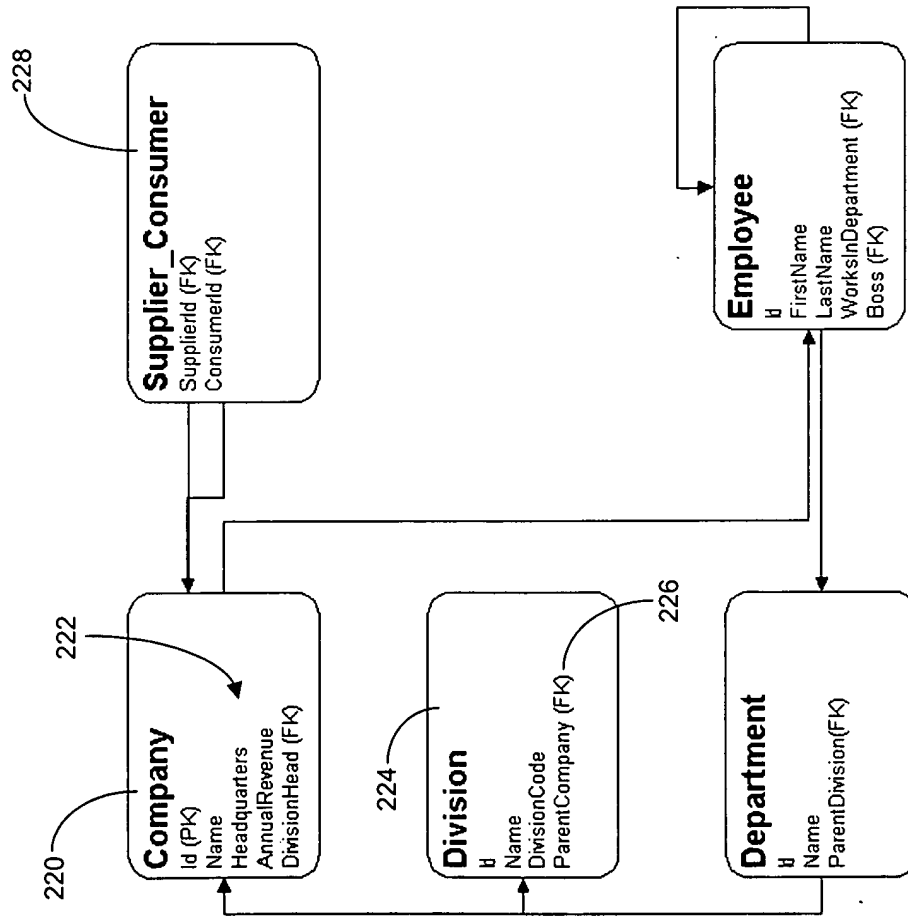


FIG. 6

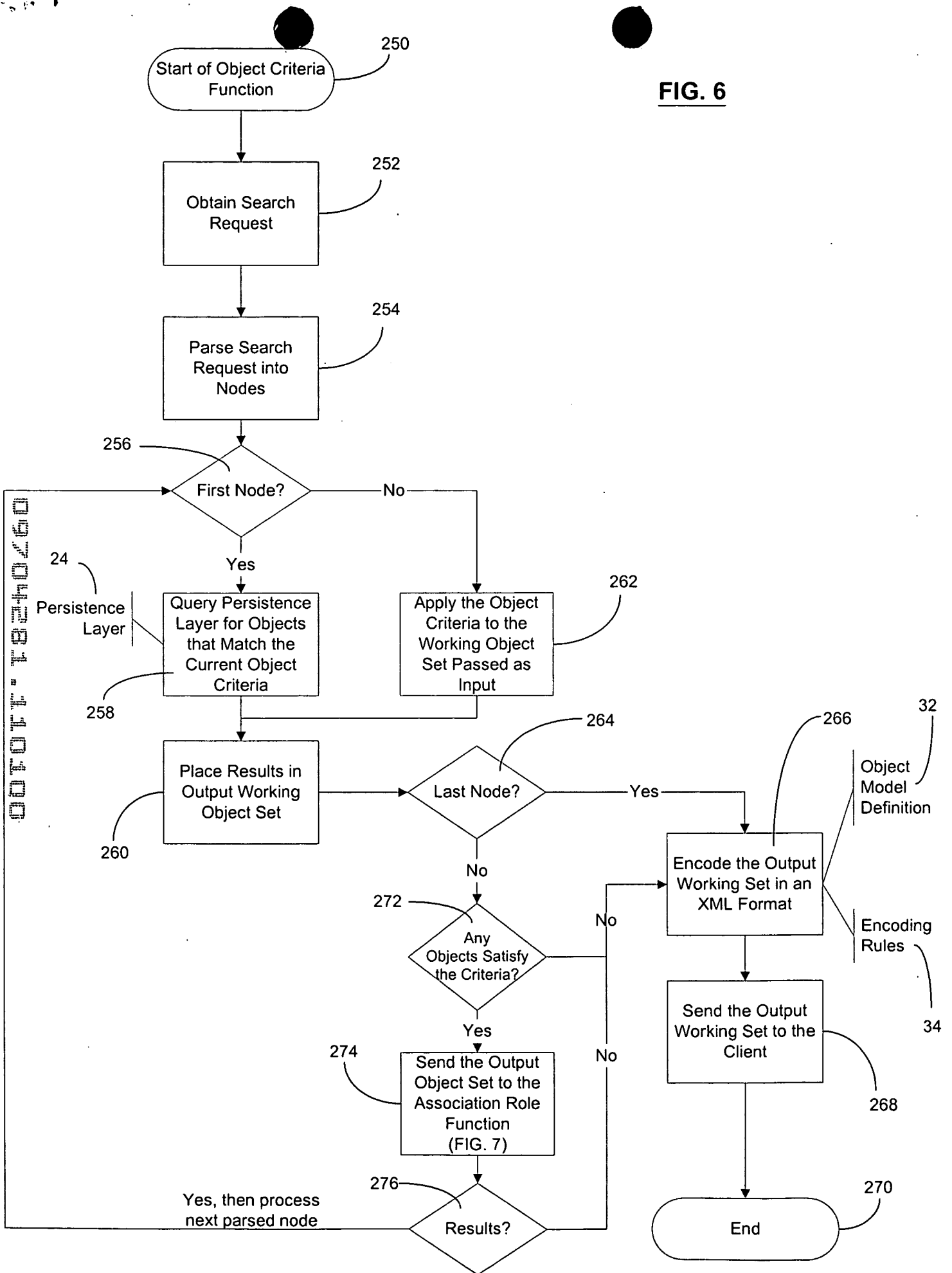
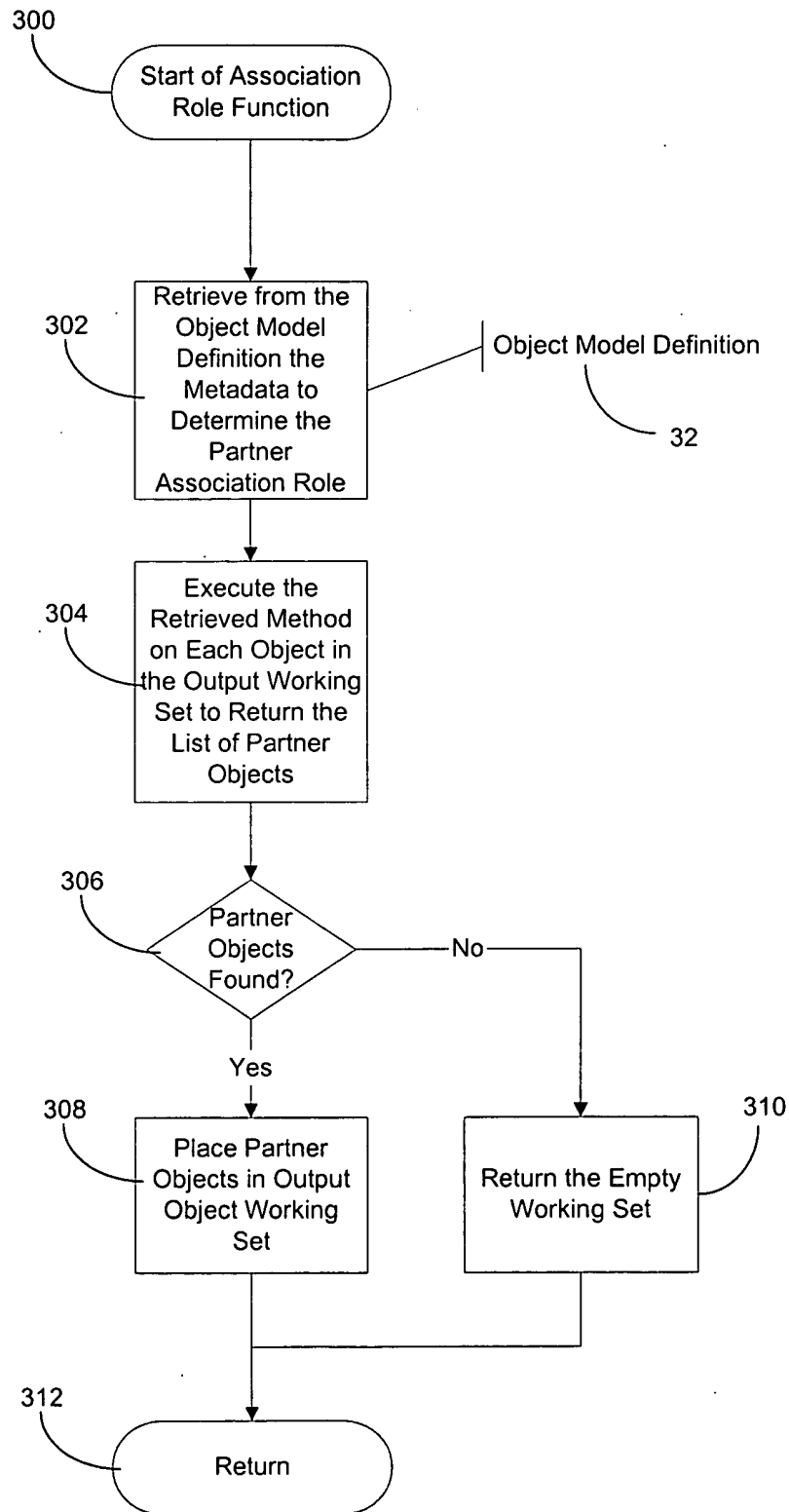


FIG. 7



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